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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,880	05/03/2007	Joon-Haeng Rhee	Q95704	4676
23373	7590	03/08/2011	EXAMINER	
SUGHRUE MION, PLLC			ARCHEE, NINA	
2100 PENNSYLVANIA AVENUE, N.W.				
SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20037			1645	
NOTIFICATION DATE		DELIVERY MODE		
03/08/2011		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

sughrue@sughrue.com
PPROCESSING@SUGHRUE.COM
USPTO@SUGHRUE.COM

Notice of Allowability	Application No. 10/585,880	Applicant(s) RHEE ET AL.
	Examiner NINA A. ARCHIE	Art Unit 1645

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the amendment filed on 7/30/2010.

2. The allowed claim(s) is/are Claims 1 and 7-8 are allowed.

3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of the:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. ____.

3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) hereto or 2) to Paper No./Mail Date ____.

(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)

5. Notice of Informal Patent Application

2. Notice of Draftsperson's Patent Drawing Review (PTO-948)

6. Interview Summary (PTO-413),
Paper No./Mail Date ____.

3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 7/30/2010

7. Examiner's Amendment/Comment

4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material

8. Examiner's Statement of Reasons for Allowance

9. Other ____.

/Robert A. Zeman/
Primary Examiner, Art Unit 1645

/Nina A Archie/
Examiner, Art Unit 1645

EXAMINER'S AMENDMENT

1. After careful review of the record the notice of allowance mailed on 9/21/2010 has been vacated.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sunhee Lee on September 8, 2010.

Information Disclosure Statement

3. The information disclosure statement filed on 7/30/2010 has been considered. An initialed copy is enclosed.

4. The application has been amended replacing all previous claims as follows:

In the Claims

Claims 1 and 7-8 were replaced with the following:

Claim 1 A mucosal vaccine adjuvant comprising isolated bacterial flagellins as an active component, wherein said flagellins are obtained from *Vibrio vulnificus*, wherein said *Vibrio vulnificus* flagellins are one or more selected from the group consisting of the peptides of SEQ ID NO: 2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, and SEQ ID NO: 12.

Claim 7 The mucosal vaccine adjuvant according to claim 1, wherein said vaccine adjuvant is an adjuvant for vaccine selected from the group consisting of an anti-toxin vaccine; a

live attenuated or killed vaccine, an anti-viral vaccine, an anti-cancer vaccine against uterine cervical cancer, an anti-sperm contraceptive vaccine, a recombinant protein, and peptide vaccine.

Claim 8 The mucosal vaccine adjuvant according to claim 7, wherein the anti-toxin vaccine is against tetanus toxoid; the live attenuated or killed vaccine is against cholera and/or typhoid fever, the anti-viral vaccine is against influenza and/or SARS.

5. Claims 3-6 and 9 were cancelled.

Conclusion

6. The election requirement for a specific amino acid sequence on 9/4/2008 has been withdrawn.

Claims 1 and 7-8 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nina A. Archie whose telephone number is 571-272-9938. The examiner can normally be reached on Monday-Friday 8:30-5:00p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Helms can be reached on 571-272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/585,880
Art Unit: 1645

Page 4

Nina Archie
GAU 1645
REM 3B31

/Robert A. Zeman/

Primary Examiner, Art Unit 1645